Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

    1. (Currently Amended) A method, comprising:

~~of~~ determining a period of recurring events within a recorded signal, the period of

recurring events providing a measurement of a tempo of the recorded signal, said determining

~~the method~~ comprising:

        establishing ~~one or more~~ an anchor point ~~points~~ in the recorded signal, the anchor

point being indicative of a beginning point for a period of recurring events in the

recorded signal;

        determining a length for the period of recurring events in the recorded signal, the

length starting from the established anchor point and defining a first loop; and

        refining the length for the period of recurring events by comparing the first loop

with subsequent loops, the subsequent loops having the length of the first loop.

    2. (Original) The method of claim 1, further comprising determining if the recorded

signal is rhythmic.

    3. (Currently Amended) The method of claim 1, wherein ~~the step of~~ establishing an

anchor point in the recorded signal comprises utilizing digital signal processing techniques to

identify where recurring events begin.

4. (Currently Amended) The method of claim 1, wherein ~~the step of~~ establishing an anchor point in the recorded signal comprises receiving an indication of a location on the recorded signal from a computer input device.

5. (Currently Amended) The method of claim 1, wherein ~~the step of~~ determining a length for the period of recurring events in the recorded signal comprises utilizing digital signal processing techniques.

6. (Original) The method of claim 5, wherein the digital signal processing techniques compare a first portion of the recorded signal with a second portion of the recorded signal, the first portion and the second portion having the same length.

7. (Currently Amended) The method of claim 1, wherein ~~the step of~~ determining a length for the period of recurring events in the recorded signal comprises receiving an indication of a length of the period on the recorded signal from a computer input device.

8. (Currently Amended) The method of claim 1, wherein ~~the step of~~ refining the length for the period of recurring events by comparing the first loop with subsequent loops comprises utilizing digital signal processing techniques.

9. (Original) The method of claim 8, the digital signal processing techniques compare a first portion of the recorded signal with a second portion of the recorded signal, the first portion starting at a first inspection point in the recorded signal and ending at a first distance from the

first inspection point equal to the length to be refined, the second portion starting at a second

inspection point in the recorded signal and ending at a second distance from the second

inspection point equal to the length to be refined.

10. (Currently Amended) The method of claim 1, wherein ~~the step of~~ refining the length

for the period of recurring events comprises using the distance between multiple anchor points as

a guide to estimate an approximate count of time periods from which a tempo can be derived.

11. (Currently Amended) In a computer program product, a system ~~of providing a~~

~~measurement of a tempo of a recorded signal, the tempo being a period of recurring events~~

~~within the recorded signal, the system~~ comprising:

means for establishing ~~one or more~~ an anchor point ~~points~~ in ~~the~~ a recorded signal, the

anchor point being indicative of a beginning point for a period of recurring events in the recorded

signal;

means for determining a length for the period of recurring events in the recorded signal,

the length starting from the established anchor point and defining a first loop; and

means for refining the length for the period of recurring events by comparing the first

loop with subsequent loops, the subsequent loops having the length of the first loop;

wherein the period of recurring events provides a measurement of a tempo of the

recorded signal.

12. (Original) The system of claim 11, further comprising means for adjusting the length

for the period of recurring events.

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13. (Currently Amended) The system of claim 11, wherein the means of establishing ~~one or more~~ the anchor point ~~points~~ in the recorded signal comprises means for identifying where recurring events begin.

14. (Currently Amended) The system of claim 11, wherein the means of establishing ~~one or more~~ the anchor point ~~points~~ in the recorded signal comprises means for receiving an indication of a location on the recorded signal from a computer input device.

15. (Original) The system of claim 11, wherein the means of refining the length for the period of recurring events by comparing the first loop with subsequent loops comprises means for comparing a first portion of the recorded signal with a second portion of the recorded signal, the first portion starting at a first inspection point in the recorded signal and ending at a first distance from the first inspection point equal to the length to be refined, the second portion starting at a second inspection point in the recorded signal and ending at a second distance from the second inspection point equal to the length to be refined.

16. (Currently Amended) The system of claim 11, further comprising

means for combining said recorded signal having said tempo ~~signals~~ with another recorded signal of an unknown ~~tempos~~ tempo.

17. (Original) The system of claim 11, further comprising means for presenting the recorded signal and loops in the recorded signal.

18. (Currently Amended) A processing system comprising:

a central processing unit (CPU); and

a storage device coupled to a processor said central processing unit and having stored

there information for configuring the CPU central processing unit to determine a period of

recurring events in a recorded signal, the period of recurring events providing a measurement of

a tempo of the recorded signal, wherein the determining comprises:

establishing a loop starting point in the a recorded signal, the loop starting point

being indicative of a beginning point for a period of recurring events in the recorded

signal, the period of recurring events defining a loop;

determining determine a length for the loop in the recorded signal, the length

starting from the established loop starting point; and

adjusting the length for of the loop by comparing the loop with subsequent loops,

the subsequent loops being defined as portions of the recorded signal having the length of

the loop and starting at a point in the recorded signal later in time.

19. (Currently Amended) The system of claim 18 17, further comprising a presentation

device, wherein the presentation device is configured to provide a graphical user interface which

presents portions of the recorded signal.

20. (Currently Amended) The system of claim 18 17, further comprising an interface

device configured to connect the CPU central processing unit with a network of computers.

21. (New) A method comprising the acts of:

displaying a graphical representation of a recorded audio signal;

establishing an anchor point in the audio signal, wherein the anchor point identifies where a rhythmic pattern in the audio signal appears to begin;

identifying a first period during which the rhythmic pattern in the audio signal appears to occur, the first period beginning at the anchor point and ending at a repeating point;

identifying a second period during which the rhythmic pattern in the audio signal appears to occur, the second period beginning at the repeating point;

adjusting the rhythmic pattern such that a duration of the first period is substantially the same as a duration of the second period, the durations establishing tempo information for the audio signal;

associating the tempo information with the recorded audio signal; and

using the tempo information to process the recorded audio signal with a second recorded audio signal.

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